

an input terminal block which receives at least 150 amps of 48 V DC power,
the input terminal block including at least one terminal pin and a support block through which
a terminal pin extends, the support block supporting the terminal pin and isolating the terminal
pin; and

a mating connection for passing the power from the input terminal block to the
power conditioner, the mating connection directly connected and in contact with the terminal
pin of the input terminal block

Cancel Claims 5 and 6.

7. A power entry panel as described in Claim 4 wherein the terminal pin has a
long end and a short end, the support block has a wire side and a connector side, and the input
terminal block includes a filtering layer for filtering the power, the power filtering layer
disposed on the connector side, the long end extending from the connector side and connecting
with the mating connection, and the short end extending from the wire side and connecting
with a power wire to which power is delivered to the input terminal block.

Cancel Claim 9.

10. An input terminal block for a power entry panel comprising:

a terminal pin for conducting at least 150 amps of 48 V DC power adapted to be directly connected and in contact with a mating connection of the power entry panel;

a support block through which the terminal pin extends, the support block supporting the terminal pin; and

a filtering layer disposed on the support block for filtering power.

11. A method for transferring power comprising the steps of:

receiving at least 150 amps of 48 V DC power at an input terminal block having a support block through which the terminal pin extends, the support block supporting the terminal pin and isolating the terminal pin; and

passing the 150 amps of 48 V DC power from the input terminal block through a mating connection that the input terminal block is directly connected and in contact with to a power conditioner.

Cancel Claim 14.

Please add the following claims.

15. A power entry panel for a power conditioner comprising:

Substantive
an input terminal block which receives power, the input terminal block includes at least one terminal pin and a support block through which the terminal pin extends, the support block supporting the terminal pin and isolating the terminal pin, the terminal pin has a long end and a short end, the support block has a wire side and a connector side, and the input terminal block includes a filtering layer for filtering the power, the power filtering layer disposed on the connector side;

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a mating connection for passing power from the input terminal block to the power conditioner, the mating connection directly connected and in contact with the terminal pin of the input terminal block, the long end extending from the connector side and connecting with the mating connection, and the short end extending from the wire side and connecting with a power wire to which power is delivered to the input terminal block;

a ground panel to which the input terminal block is in contact; and

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an output connector to which power from the power conditioner is transmitted,
the output connector is chassis ground to the ground panel.

16. A power entry panel as described in Claim 15 wherein the output connector includes a bus bar, and a pin which is press fit onto the bus bar to form the chassis ground.

17. A power entry panel as described in Claim 16 wherein the input terminal block provides 150 amps of 48 V DC power.
